

AMENDMENTS TO THE CLAIMS

This listing of claims will replace all prior versions, and listings, of claims in the application.

1-15. (cancelled)

16. (withdrawn) A pharmaceutical composition comprising Pediocin A in combination with at least one of bacterial strains selected from the group consisting of:

Pediococcus pentosaceus FBB61, ATCC 43200;

Pediococcus pentosaceus FBB63;

Pediococcus pentosaceus L7230, ATCC 43201.

17. (withdrawn) A pharmaceutical composition according to claim 16, comprising a mixture consisting of Pediocin A and one of bacterial strains selected from the group consisting of:

Pediococcus pentosaceus FBB61, ATCC 43200;

Pediococcus pentosaceus FBB63;

Pediococcus pentosaceus L7230, ATCC 43201.

18. (withdrawn) A pharmaceutical composition according to claim 17, comprising a mixture consisting of Pediocin A and *Pediococcus pentosaceus* FBB61, ATCC 43200.

19. (withdrawn) A pharmaceutical composition according to claim 16, further comprising Pediocin A analogous molecules.

20. (currently amended) A method for increasing the health of ~~of enhancing the sanitary conditions of the~~ an intestine ~~[[in]]~~ of a monogastric species, the ~~improvement method comprising consisting in~~ administering to said species an effective amount of a pharmaceutical composition comprising Pediocin A in combination with at least one bacterial strain selected from the group consisting of:

Pediococcus pentosaceus FBB61, ATCC 43200;

Pediococcus pentosaceus FBB63; and

Pediococcus pentosaceus L7230, ATCC 43201, as claimed in claim 16

said amount being effective to increase the health of said intestine, said Pediocin A being present in said composition independently from said bacterial strain.

21. (currently amended) The method according to claim 20, wherein said effective amount is the amount effective to increase for increasing polyamines production of bacterial origin into the intestinal lumen of said intestine.

22. (currently amended) The method ~~according to claim 20~~ of claim 21, in which wherein said amines polyamines are putrescine and spermidine.

23. (currently amended) The method according to claim 20, wherein said effective amount is also effective to increase for increasing the epithelial surface of intestinal a wall of said intestine ~~deputed to the adapted for absorption~~ absorption of nutrients.

24. (currently amended) The method according to claim 20, wherein said effective amount is also effective to increase for increasing the length of villi in intestinal, proximal and medium jejunum.

25. (currently amended) The method according to claim 20, wherein said effective amount is also effective to increase for increasing the thickness of brush border, constituted of microvilli at enterocytes luminal apex.

26. (currently amended) The method according to claim 20, wherein said effective amount is also effective to increase for increasing the thickness of mucous tunica, both on a proximal and medium jejunum level.

27. (currently amended) ~~The A method according to claim 20, for incorporating said Pediocin A or Pediocin A-analogous molecules into the mucous layer which covers the intestinal structures of a monogastric animal, comprising a step of administering to said animal an amount of a composition comprising Pediocin A in combination with at least one bacterial strain selected from the group consisting of:~~

Pediococcus pentosaceus FBB61, ATCC 43200;

Pediococcus pentosaceus FBB63; and

Pediococcus pentosaceus L7230, ATCC 43201,

effective to incorporate said Pediocin A into said mucous layer, said Pediocin A being present in said composition independently from said bacterial strain.

28. (currently amended) The A method according to claim 20, for the prevention and prophylaxis of *Clostridium perfringens* infections in a monogastric animal, comprising a step of administering to said animal an amount of a composition comprising Pediocin A in combination with at least one bacterial strain selected from the group consisting of:

Pediococcus pentosaceus FBB61, ATCC 43200;

Pediococcus pentosaceus FBB63; and

Pediococcus pentosaceus L7230, ATCC 43201,

effective for the prophylaxis of *Clostridium perfringens* infections in said animal, said Pediocin A being present in said composition independently from said bacterial strain.